

FIG. 1

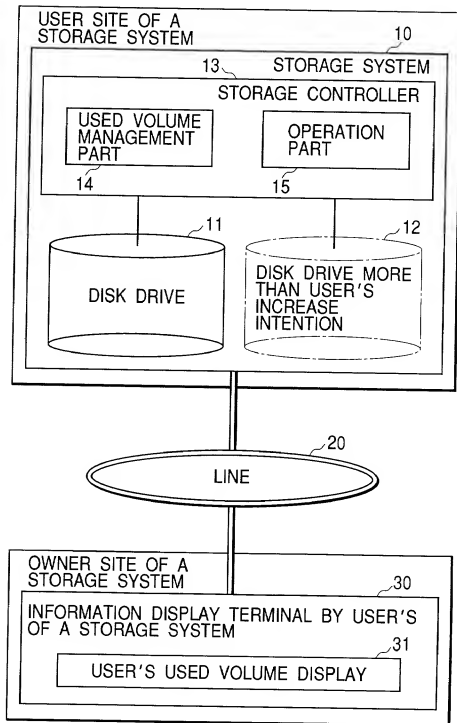
CHARGING SYSTEM OVERVIEW OF A
STORAGE SYSTEM

FIG. 2

MANAGEMENT TABLE OF A DISK CONTROL
UNIT OF A STORAGE SYSTEM

ON-DEMAND VOLUME	ON-DEMAND FLAG ATTRIBUTE (SET/RESET)	RESET TIME (DATE AND TIME)
xxGB	RESET	yymmddhhmmss
xxGB	RESET	yymmddhhmmss
xxGB	SET	
xxGB	SET	
⋮	⋮	⋮
xxGB	SET	

FIG. 3

INFORMATION FLOW OF A STORAGE
SYSTEM AND AN INFORMATION
DISPLAY TERMINAL
AT RESET OF AN ON-DEMAND FLAG

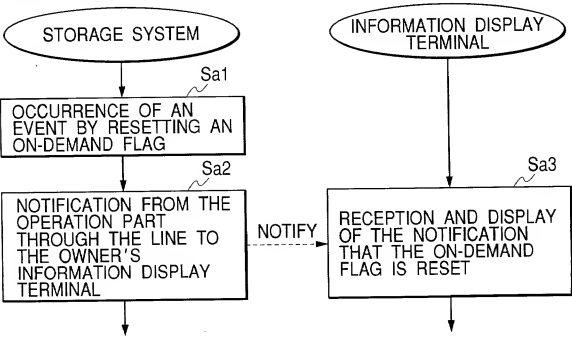
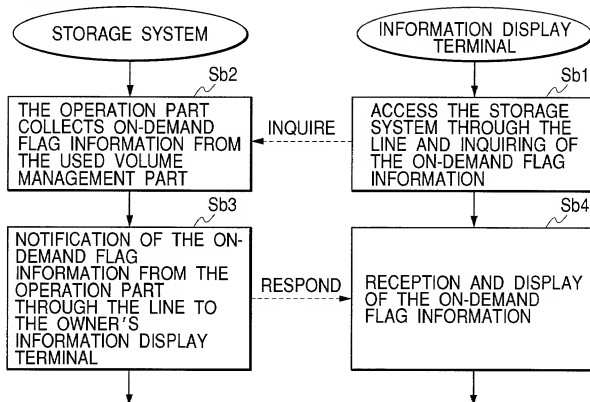


FIG. 4

INFORMATION FLOW OF A STORAGE
SYSTEM AND AN INFORMATION
DISPLAY TERMINAL
AT CONFIRMATION (INQUIRING) OF
INFORMATION

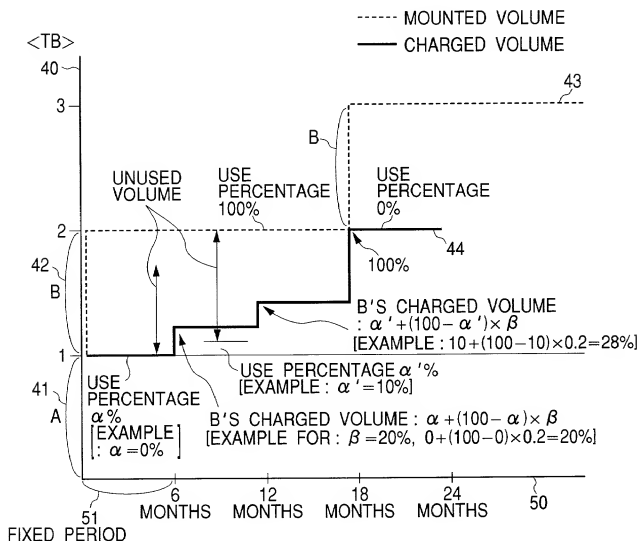
**FIG. 5**

EXAMPLE OF AN INFORMATION MANAGEMENT TABLE BY
USER'S OF A STORAGE SYSTEM

	USER A	USER B	USER C
USER ID	xxxxxxx	xxxxxxx	xxxxxxx
USED VOLUME	xxGB	xxGB	xxGB
ADDED VOLUME	xxGB	xxGB	xxGB
USE PERIOD	x YEAR/x MONTH/x DAY TO x YEAR/x MONTH/x DAY	x YEAR/x MONTH/x DAY TO x YEAR/x MONTH/x DAY	x YEAR/x MONTH/x DAY TO x YEAR/x MONTH/x DAY
USE STARTING DATE	x YEAR/x MONTH/x DAY	x YEAR/x MONTH/x DAY	x YEAR/x MONTH/x DAY
ALLOCATED VOLUME	VOL. 1, VOL. 2	VOL. 3, VOL. 4	VOL. 5, VOL. 6
USE UNIT COST	x¥/MONTH	x¥/MONTH	x¥/MONTH

FIG. 6

CHARGED VOLUME TRANSITION DIAGRAM TO THE
DISK VOLUME OF A STORAGE SYSTEM



DECISION OF A "USED VOLUME" AND AN "UNUSED VOLUME"
AFTER 6 MONTHS ELAPSE
A TOTAL CHARGED VOLUME FOR THE NEXT 6 MONTHS IS
A+B USED VOLUME+
(B'S UNUSED VOLUME \times CHARGING PERCENTAGE $\beta\%$)

FLOWCHART OF A CHARGING METHOD TO THE DISK VOLUME
OF A STORAGE SYSTEM

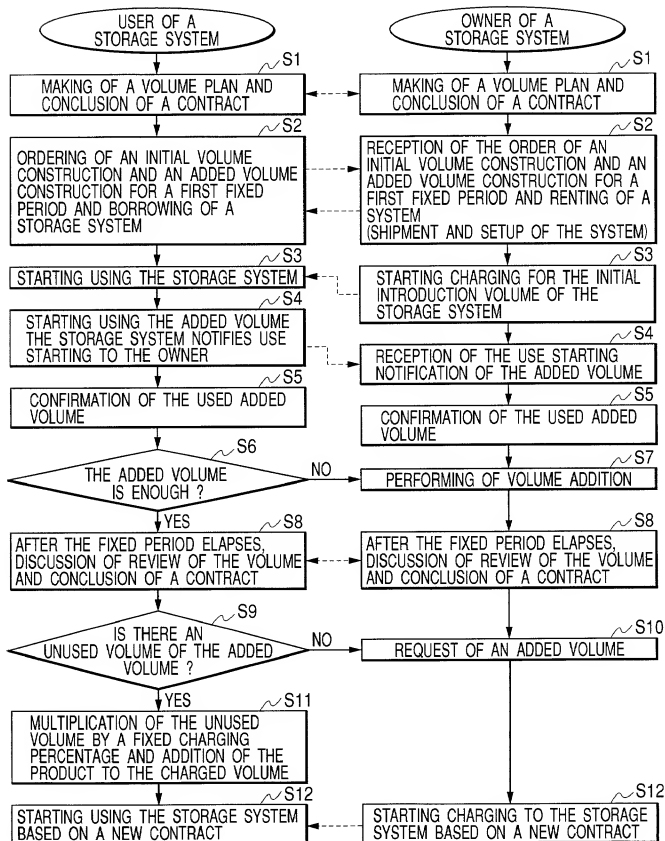


FIG. 8

TIME REQUIRED FOR VOLUME ADDITION TO A
STORAGE SYSTEM

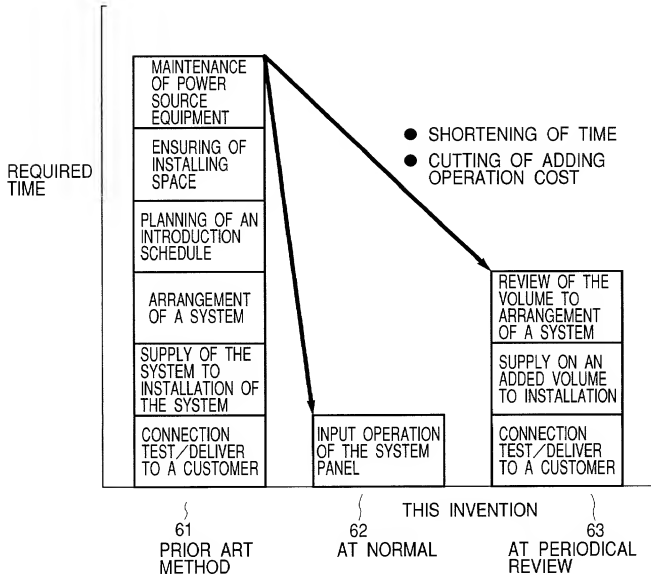


FIG. 9

INITIAL INVESTED VOLUMES TO A STORAGE SYSTEM

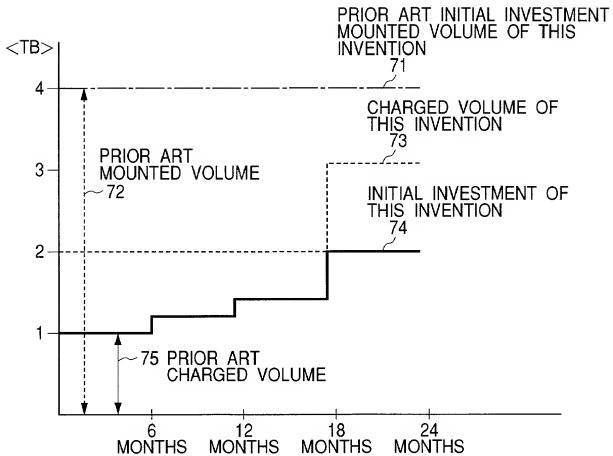


FIG. 10

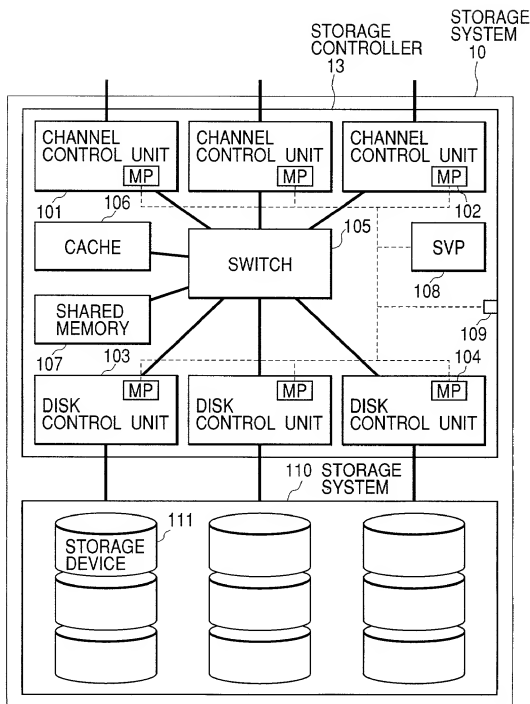


FIG. 12

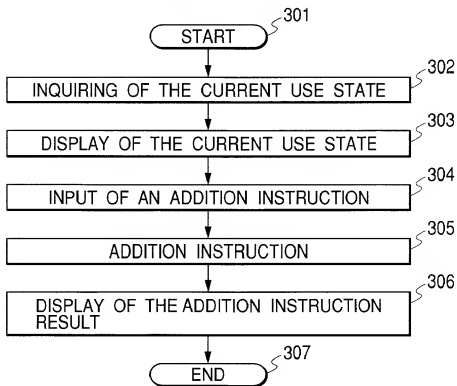


FIG. 13

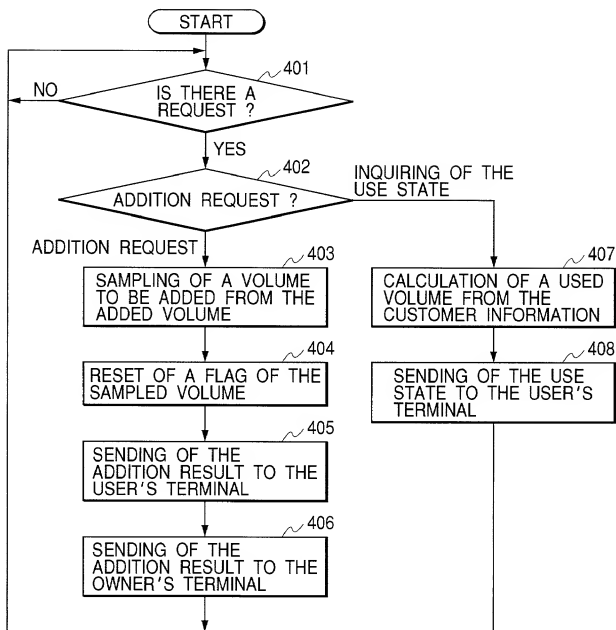
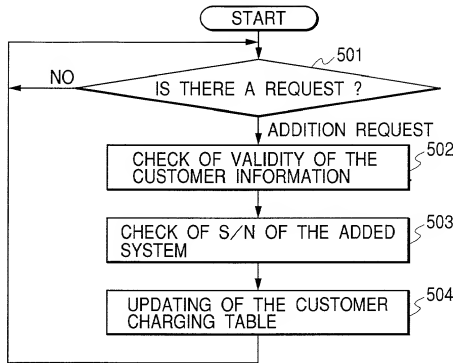





FIG. 14**FIG. 15**

STORAGE SYSTEM USED VOLUME ADDITION ASSISTANCE SCREEN <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
STORAGE SYSTEM USED VOLUME ADDITION ASSISTANCE SCREEN	
INPUT THE FOLLOWING TO SELECT THE BUTTON	
PRODUCT TYPE NAME	STORAGE-TYPE A <input type="text"/> 601
PRODUCTION NUMBER	34QS1234567890 <input type="text"/> 602
USER SUPPORT ID	34QS1625345 <input type="text"/> 603
<input type="button" value="INQUIRE ..."/> 604	
<input type="button" value="END"/>	

FIG. 16

STORAGE SYSTEM USED VOLUME ADDITION ASSISTANCE SCREEN   

STORAGE SYSTEM USED VOLUME ADDITION ASSISTANCE SCREEN

USE STATE	PRODUCT TYPE NAME	STORAGE-TYPE A	ADD ...
	PRODUCTION NUMBER	34QS1234567890	
	USER SUPPORT ID	34QS1625345	




701 703

BASIC VOLUME	100GB
BASIC VOLUME UNIT COST	¥100 / MB
EXCESSIVE USED VOLUME	30GB
EXCESSIVE USE UNIT COST	¥250 / MB
UNUSED VOLUME	70GB
UNUSED UNIT COST	¥50 / MB
CONTRACT PERIOD	2000.01.01 — 2002.12.31
MOUNTED VOLUME	5000GB

702

END

FIG. 17

STORAGE SYSTEM USED VOLUME ADDITION ASSISTANCE SCREEN   

STORAGE SYSTEM USED VOLUME ADDITION ASSISTANCE SCREEN

ADDITION	PRODUCT TYPE NAME	STORAGE-TYPE A
	PRODUCTION NUMBER	34QS1234567890
	USER SUPPORT ID	34QS1625345

ADDITION	BASIC VOLUME	300GB
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801

802 803

APPLY CANCEL